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May 16, 2002

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MAY 2 1 2002

U.S. Patent Application Serial No. 09/963,827 for RNA APTAMERS Re:

AND METHODS FOR IDENTIFYING SAME

Our File No. 180/124/2

Sir:

RICHARD E. JENKIN

JEFFREY L. WILSON

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JOHN A. LAMERDIN, PI

JULIE A. BROADUS, Ph.D. (PATENT AGENT)

ARLES A. TAYLOR,

Please find enclosed in connection with the subject U.S. patent application the following documents:

- Information Disclosure Statement; 1.
- Forms PTO/SB/08A and PTO/SB/08B (in duplicate); 2.
- Copies of cited references (10 references); 3.
- A return-receipt postcard to be returned to us with the U.S. Patent and 4. Trademark Office filing stamp thereon.

Commissioner for Patents May 16, 2002 Page 2

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this correspondence to Deposit Account No. <u>50-0426</u>.

Respectfully submitted,

JENKINS & WILSON, P.A.

Arles A. Taylor, Jr. Registration No. 39,395

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Enclosures

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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Sullenger, et al.

Group Art Unit: Unknown

Serial No.: 09/963,827

Examiner: Unassigned

Filed: September 26, 2001

Docket No.: 180/124/2

Confirmation No.:

For: RNA APTAMERS AND METHODS FOR IDENTIFYING SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the following references. Copies of the references as well as Forms PTO/SB/08A and PTO/SB/08B are attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

- U.S. Patent No. 5,792,613 to <u>Schmidt, et al.</u> discloses Method for Obtaining RNA Aptamers Based on Shape Selection.
- U.S. Patent No. 5,582,981 to <u>Toole, et al.</u> discloses Method for Identifying an Oligonucleotide Aptamer Specific for a Target.
- U.S. Patent No. 5,817,785 to <u>Gold, et al.</u> discloses Methods of Producing Nucleic Acid Ligands.
- U.S. Patent No. 5,756,291 to <u>Griffin, et al.</u> discloses Aptamers Specific for Biomoiecules and Methods of Making.
- U.S. Patent No. 5,861,501 to <u>Benseler, et al.</u> discloses Capped Synthetic RNA, Analogs, and Aptamers.
 - U.S. Patent No. 5,861,254 to Schneider, et al. discloses Flow Cell Selex.

Appln. No.: 09/963,827

U.S. Patent No. 6,093,555 to Dudycz, et al. discloses Amido and Peptido Modified Enzymatic Nucleic Acid Molecules.

Publication by Werstuck, et al. entitled "Controlling gene expressioni in living cells through small molecule-RNA interactions" Science (USA), Vol. 282 (No. 5387), p. 296(3), (October 9, 1998).

Publication by Burke, et al. entitled "A Novel Acidophilic RNA Motif That Recognizes Coenzyme A" Biochemistry (USA), Vol. 37, p. 4653-4663.

Publication by Leclerc, et al. entitled "A three-dimensional model of the Revbinding element of HIV-a derived from analyses of aptamers" Nat. Struct. Biol. (Abstract only.)

International Search Report dated April 12, 2002 for PCT International Application Serial No. PCT/US01/30004.

Early passage of the subject application to issue is earnestly solicited.

Although it is believed that no fee is due, the Commissioner is hereby authorized to charge any deficiencies of payment associated with the filing of this Information Disclosure Statement to Deposit Account No. 50-0426.

Respectfully submitted,

JENKINS & WILSON, P.A.

Date: May 16, 2002

By:

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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of Sheet

Complete if Known				
Application Number	60/235.654			
	09/26/2000			
	Bruce A. Sullenger			
Art Unit				
Examiner Name	Unassigned			
Attorney Docket Number	180/124 /2			

			U.S. PAT	ENT DOCUMENTS	
Examiner Initials*		Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	US-5,792,613	08/11/1998	Schmidt, et al.	
	2	US- 5,582,981		Toole, et al.	
	3	US- 5,817,785	10/6/98	Gold, et al.	
	4	US- 5,756,291	5/26/98	Griffin, et al.	
	5	US- 5,861,501	1/19/99	Benseler, et al.	
	6	US- 5,861,254	1/19/99	Schneider, et al.	
	7	US- 6,093,555	7/25/00	Dudycz, et al.	
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	FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Foreign Patent Document Country Code 3 -Number 4 -Kind Code 5 (# known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T6	
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1 Applicant's unique citation designation number (optional).

2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

6 Applicant is to place a check mark here if English Japanese Translation is attached. English language Translation is attached.

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> (use as many sheets as necessary) of

Complete if Known **Application Number** 60/235.654 09/26/2000 Filing Date First Named Inventor Bruce A. Sullenger Group Art Unit **Examiner Name** <u>Unassigned</u> Attorney Docket Number 180/124/2

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	1	WERSTUCK, ET AL., "Controlling gene expression in living cells through small molecule-RNA interactions.," Science, American Association for the Advancement of Science, p. 296, (October 9, 1998).	
	2	BURKE, ET AL., "A Novel Acidophilic RNA Motif That Recognizes Coenzyme A," Biochemistry, American Chemical Society, p. 4653-4663, (November 25, 1997).	
	3	LECLERC, ET AL., Abstract of "A three-dimensional model of the Rev-binding element of HIV-a derived from analyses of aptamers," Nat. Struct. Biol. 1:293-300 (1994	

Examiner		Date	
Signature		 Considered	
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